

ABSTRACT OF THE DISCLOSURE

[0024] A method and system for selectively controlling supplied power to an ink melt heater for maintaining a desired ink melt rate despite a varying ambient parameter affecting an actual melt rate. A predetermined amount of power is supplied to the ink melt heater intended to cause the desired ink melt rate. The ambient parameter is detected by the ink melt heater. A determination is made if the detected ambient parameter will cause a variance in the actual ink melt rate from the desired ink melt rate. If a variance is so determined, the supplied power is adjusted from the predetermined amount to an adjusted amount for realizing desired ink melt rate. The ambient parameter preferably comprises sensing a factor representative of at least one of local environmental air temperature to the printing system or adjacent ink temperature to the heat plate.